Listing of Claims

What is claimed is:

Claim 1 (Canceled).

Claim 2 (Currently amended): A catheter for delivering a therapeutic agent to a selected site within an organism, the catheter comprising, in combination:

a solid non-porous catheter tip; and

a tubular section having a proximal end and a distal end, the tubular section defining a lumen, the solid non-porous catheter tip inserted into the lumen and attached to the distal end ~~attached to the solid catheter tip~~ of the tubular section, the tubular section comprising solid sections and a microporous membrane section, the microporous membrane section comprising, a first end and a second end, the first end and second end coupled to the solid sections forming a continuous cross section of the tubular section, the tubular section having a substantially uniform inner and outer diameter along the length thereof.

Claim 3 (Previously presented): The catheter as recited in claim 2, wherein the solid sections comprise a radio opaque material.

Claims 4-9 (Canceled).

Claim 10 (Previously presented): The catheter as recited in claim 11, wherein the diffusion sections are microporous membrane sections.

Claim 11 (Currently amended): A catheter for delivering a therapeutic agent to selected sites within an organism, the catheter comprising in combination:

a solid non-porous catheter tip; and

a tubular section having a proximal end and a distal end, the tubular section defining a lumen, the solid non-porous catheter tip inserted into the lumen and ~~the distal end~~ attached to the distal end of the tubular section, ~~the solid catheter tip~~, the tubular section including a solid section and at least two diffusion sections, the diffusion sections longitudinally aligned from the distal end corresponding to the selected sites, the diffusion sections coupled to the solid section forming a continuous cross section of the tubular section, the tubular section having a substantially uniform inner and outer diameter along the length thereof.

Claim 12 (Previously presented): The catheter as recited in claim 11, wherein the solid section comprises a radio opaque material.

Claims 13-17 (Canceled).

Claim 18 (Currently amended): ~~The system as recited in claim 17, wherein~~ A system for delivering a therapeutic agent to selected sites within an organism, comprising:

a pump:

at least two catheters each comprising a solid non-porous catheter tip, a tubular section having a solid section and a microporous membrane section, the microporous

membrane section ~~further~~ comprisinges~~,~~ a first end and a second end, the first end and second end coupled to the solid section forming a continuous cross section of the tubular section, the tubular section having a substantially uniform diameter along the length thereof; and

a manifold having an entrance end and exit opening, the exit opening connected to a proximal end of the at least two catheters and the entrance end coupled to the pump.

Claim 19 (Currently amended): The system as recited in claim 1~~8~~7, wherein the solid section comprises a radio opaque material.

Claim 20 (Currently amended): The system as recited in claim 1~~8~~7, wherein the pump is an implantable pump.

Claim 21(Currently amended): The system as recited in claim 1~~8~~7, wherein the pump is an external pump.

Claim 22 (Canceled).

Claim 23 (Currently amended): A system for delivering a therapeutic agent to a selected site within an organism, comprising:

a pump; and

a catheter connected to the pump, the catheter including:

a solid non-porous catheter tip; and

a tubular section having a proximal end and a distal end, the tubular section defining a lumen, the solid non-porous catheter tip inserted into the lumen and attached to the distal end of the tubular section ~~attached to the solid catheter tip~~, the tubular section including a solid section and a microporous membrane section, the catheter microporous membrane section comprising, a first end and a second end, the first end and second end coupled to the solid section forming a continuous cross section of the tubular section, the tubular section having a substantially uniform diameter along the length thereof.

Claim 24 (Previously presented): The system as recited in claim 23, wherein the solid section comprises a radio opaque material.

Claim 25 (Previously presented): The system as recited in claim 23, wherein the pump is an implantable pump.

Claim 26 (Previously presented): The system as recited in claim 23, wherein the pump is an external pump.

Claims 27-60 (Canceled).